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DEPARTMENT OF PUBLIC WELFARE,
BUREAU OF MENTAL HEALTH,
WM. C. SANDY, M. D., DIRECTOR,
HARRISBURG, PA.

PENNSYLVANIA HOSPITAL

ANNUAL REPORT

Department for Mental and Nervous Diseases
West Philadelphia

*For the Year Ending December Thirty-first
Nineteen Hundred and Twenty-eight*

RA

982

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Presented to the
One Hundred and Seventy-eighth Annual Meeting
of the Contributors to the Pennsylvania Hospital

Philadelphia, Penna.
Dec. 31, 1928

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DEPARTMENT OF WELFARE



COMMONWEALTH OF PENNSYLVANIA

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I hereby give and devise to "The Contributors to the Pennsylvania Hospital," their successors and assigns, all that (here describe the property or ground rent).

Free Patient Memorials

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JOHN LEWIS EVANS, *Treasurer,*

701 Commercial Trust Building

or at the office of either department of the Hospital.

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PENNSYLVANIA HOSPITAL
Department for Mental and Nervous Diseases
West Philadelphia

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J. RODMAN PAUL, 505 Chestnut Street

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EARL D. BOND, M.D.

Medical Directors

Department for Men

DANIEL H. FULLER, M.D.

Department for Women

EDWARD A. STRECKER, M.D.

Laboratories

CLIFFORD B. FARR, M.D.

Consulting Dentists

L. FOSTER JACK, M.D., D.D.S. JAMES EDWARD AIGUIER, D.D.S.

Medical and Laboratory Staff

ELMER V. EYMAN, M.D., *Senior Assistant Physician*
CLARA L. McCORD, M.D., *Assistant Physician*
CHARLES C. ROWLEY, M.D., *Assistant Physician*
LAUREN H. SMITH, M.D., *Executive Officer*
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EMILY F. RORER, M.D., *Assistant Physician*
WILLIAM P. BECKMAN, M.D., *Assistant Physician*
LOUIS A. SCHWARTZ, M.D., *Assistant Physician*
PAUL C. SLOANE, M.D., *Assistant Physician*
GERALD H. J. PEARSON, M.D., *Neuropathologist*
EDWARD WESTBURGH, B.S., *Assistant Psychologist*

Dentist

OLLINGTON C. HAYES, D.D.S.

Superintendents of Nurses

LEROY N. CRAIG, R.N. LETITIA WILSON, R.N.

Directors of Occupational Therapy

MARY F. BOYD KATHRYN I. WELLMAN

Director of Physio-Therapy

DAVID H. HOLMES

Dietitians

MARGARET E. HEMSING KATHARINE T. MCCOLLIN

Business Director

HERMAN S. MEHRING

Standing Committees

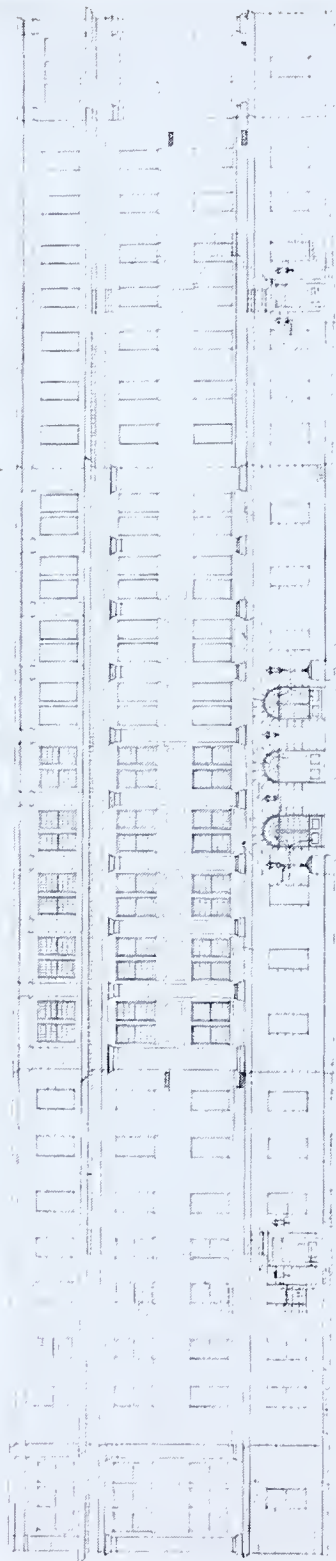
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PENNSYLVANIA HOSPITAL

Attending Managers

1929

January... ..	{ GEORGE R. PACKARD PARKER S. WILLIAMS, Provident Trust Co., 17th and Chestnut Sts.
February.....	{ PARKER S. WILLIAMS LAWRENCE J. MORRIS, 503 Lafayette Building
March.....	{ LAWRENCE J. MORRIS ARTHUR V. MORTON, Penna. Company, Packard Bldg.
April.....	{ ARTHUR V. MORTON BEAUVEAU BORIE, JR., E. Bells Mill Rd., Chestnut Hill, Philadelphia
May.....	{ BEAUVEAU BORIE, JR. CHARLES WHEELER, North American Building
June.....	{ CHARLES WHEELER MALCOLM LLOYD, JR., 701 Commercial Trust Building
July.....	{ MALCOLM LLOYD, JR. FRANK H. MOSS, 1510 Chestnut Street
August.....	{ FRANK H. MOSS GEORGE L. HARRISON, 1520 Locust Street
September....	{ GEORGE L. HARRISON CHARLES EVANS, Summerdale Station
October.....	{ CHARLES EVANS JOHN WAY, Prov. Mutual Life Ins. Co., 46th and Market Streets
November....	{ JOHN WAY CHARLES J. RHOADS, 1531 Walnut Street
December....	{ CHARLES J. RHOADS GEORGE R. PACKARD, 434 Walnut Street



INSTITUTE FOR NERVOUS & MENTAL DISEASES
PENNSYLVANIA HOSPITAL.

WEST KENSINGTON

Architectural
Registration
No. 111,111
254 S. 15th St. Phila.

PHYSICIAN-IN-CHIEF AND ADMINISTRATOR'S REPORT
Department for Mental and Nervous Diseases
West Philadelphia

To the Managers of the Pennsylvania Hospital:

The Institute

The new structure shown in the architect's drawing on the page opposite will be completed this fall and ready for use in the spring of 1930. The accommodations for children will be ready at the same time. Alterations are being carried on at 44th Street to make it possible to receive all the men patients who now are at 49th Street.

In 1930, then there will be two distinct groups of patients in West Philadelphia. The first will be composed of men and women at 44th Street—patients who will be referred there for treatment which will last a month or more. The second group will be very different; it will consist of some people who will continue at work and in their homes, who may come for diagnosis for one visit or come in for class work every day; others may stay a few nights to insure better examinations, or to complete treatment. All of this group will be people who are willingly seeking advice in the kinds of trouble that are familiar to every one—fatigue, worry, jealousy, inabilities to get on well with other people, feelings of inferiority and insecurity, fears, mild mood changes. The children will be those who offer perhaps more than the usual problems at home and in school. The patients wanted for this group might be described as normal people with some single nervous symptom or source of unhappiness for which they are willing to seek help.

This is evidently a new departure which calls for the most flexible organization and plans for research. To make doubly sure of high standards, the teaching and research activities have been associated with the University of Pennsylvania. We have not

been able to provide any funds for carrying on this research into the causes and prevention of every day ills, but we believe that someone will see the opportunity to make a unique gift for this purpose.

The 1928 Patients

During the year 10 girls and 15 boys were admitted. With the support of the Commonwealth Fund, a class of girls has been run on the model of the boys' class established in 1924. It received a good start, and besides helping its members, it has allowed us better to estimate and criticize our work for boys. The school room is occupied forenoons by one class and afternoons by the other.

A number of admissions of students from higher institutions of learning have helped us to realize how little training in handling emotions has been given to most college graduates.

Putting the cart before the horse has been well illustrated by different patients. One refused to keep a thermometer in the house because she might find that someone was sick. Another said that every time she was brought to the hospital she got excited. More patients than ever before have been treated for short times, as the increased discharges indicate. A tendency toward a general hospital regime is increasingly evident.

During the year the average percentage of the beds occupied was 91; this percentage can hardly be increased without interfering with proper provisions for emergency patients and good classification.

In all 359 patients were admitted, of whom 62 per cent. were voluntary. They ranged in age from 4 to 91 years, a span which cannot be much increased. The percentage of patients discharged improved was 61 per cent., and the number so well that they were capable of returning to their former occupations was 33 per cent. When one considers that 3 per cent. of the admitted patients were 70 years of age, and that 20 per cent. did not enter until their disease had lasted a year or more, this rate of improvement compares favorably with the rate for patients in any general hospital.

So much is this department being considered as a place for early treatment of cases that 71 patients were entered in less than a month from the onset of symptoms. Our follow-up work, based on the condition of patients five years or more after admission, continues to show a rough division of fourths: one-fourth make fully complete and maintained recoveries; one-fourth improve very considerably and live at home; one-fourth die and one-fourth are living in different hospitals with no chance for recovery apparent.

The deaths for the year were 22, which is close to the numbers for the past four years—24, 27, 22 and 21.

Statistical tables which give details of the changes in patients during the year will be found at the end of this report. It will be noticed that as admissions have climbed in 20 years from 202 to 359, the daily average number of patients in the hospital has dropped from 447 to 301. These figures indicate that the work of the hospital is counting for more—that patients are being reached at a critical time in their early illness instead of being carried along in a chronic condition. The total number of in-patients treated has increased in 20 years from 655 to 663, while the out-patients have increased from 53 to 1123.

The needs of these patients are for more endowment to support those who can pay only low rates, but who desperately need the private rooms and individual attention which this hospital can give. Last year only \$21,000 came in from invested funds and outside sources to meet expenses of \$607,000. And yet 49 patients were free and 224 were taken in at less than the cost of their care.

Of the 1123 out-patients, 147 were unmarried mothers examined at the Lying-In Hospital at the request of its physicians. A survey of this work gives them and us a vision of an ever increasing burden which is being laid upon the shoulders of Philadelphia.

Of the 58 agencies using the Clinic, the following referred the most patients: The Family Society, The Presbyterian Orphanage, The Mother's Assistance Fund, The Hebrew Sheltering Home, the Society to Protect Children from Cruelty and the Bureau of Compulsory Education.

Dr. Strecker's detailed report of out-patient activities will be found on later pages.

Post-Encephalitic Boys and Girls

The boys' class has had a very active year. For the summer it went to camp at Ashley, which was a very successful undertaking. Discharges, which during the early experimental times were determined by somewhat accidental family needs, are now being scrutinized. A social service survey is needed of the complete family situation. There remains no doubt that the immediate bad social situations created by the boys' misbehavior after encephalitis can be remedied by such a class as this. From this conclusion we should go on.

The girls' class has discharged only one member, who is doing well. The experience of the hospital with these children is being put into book form, and whether published or not, will be available to those who guide the community's work for children. Many visitors have shared experiences with us.

Treatment and Research

The treatment of undernourished patients by insulin, begun last year, has been carried to completion as an experimental measure by Drs. Farr, Appel and Marshall. It is established as a valuable therapeutic method. Pharmacological tests using adrenalin and histamin have been studied by Drs. Leuders, Newell, Appel and LaMar.

Studies of the specific gravity of blood, and of the response of the body to certain stimuli have been made by Drs. Appel and Farr in an effort to get at causes or accompaniments of mental changes. Drs. Westburgh and Eyman have continued their graphic records of the changes of the electrical conductivity of the skin in emotions.

Dr. Farr has furthered all these lines of research besides developing the regular work of the laboratory and giving invaluable clinical help. He has also had in hand the planning of the new laboratories, on which work is rapidly going on.

The neuropathological work has been greatly stimulated by the co-operation of the Ayer Laboratory. Findings of remarkable interest have been made.

The Nurses' Training Schools

A healthy increase in attendance is shown. At the end of the year there were 44 men and 17 women enrolled in the three year course, and in addition 11 women were taking affiliate or post graduate courses. During the year 20 affiliates and 14 post graduates received certificates.

The men's school has affiliated with the Graduate Hospital of the University of Pennsylvania and with Jefferson Hospital, and at both of these hospitals graduates of our schools are acting as Supervisors.

Occupational and Recreational Activities

The curative and recreational effects of occupational therapy is a thing that most of our patients appreciate to the full. The teachers have divided their time between classes in the shops, on the wards, in the gardens, and have had the children to handle by new and difficult methods. In addition they have given practical instruction to pupils of the Philadelphia School of Occupational Therapy.

Some of the patients have gone far in their interest in different crafts, following this interest up by appropriate reading. One man has set up his own equipment for jewelry making, and another has set up his own carpenter shop near his home.

The department could use some typewriters and a small printing press for the boys.

Dances, tea and other parties were given frequently.

Many articles were furnished to the hospital, among them sixty rugs. Cash sales amounted to \$1,865.38. The press turned off 262,694 sheets of printed matter.

In music there was begun toy symphony work for adults and for children. A chorus has met one evening a week and the class in appreciation of music has been continued. The Matinee Music Club has furnished concerts every two weeks during the winter, for which we are sincerely grateful.

The practice golf course was considerably improved.

Physio-Therapy

The use of artificial sun-light has greatly increased. In the men's gymnasium a trained physio-therapist has instructed patients and nurses in the systematic use of apparatus, with a view to cutting down the exercise of those who are overactive and increasing the work of the inactive. The department gives massage, heat (bakings) and electric treatments, and hydrotherapy, and instructs nurses in its methods. These activities are conducted at the out-patient clinic as well as in the hospital. Treatments numbered 10,884, not including setting-up exercises and games.

Oral Prophylaxis and Treatment

There has been a marked increase in X-ray pictures of the full mouth and a development of local anesthesia for all painful work. The latter has brought a fuller co-operation from children as well as from adults. Routine examinations of the teeth and gums have been continued.

As a result there were 187 special examinations; 229 prophylactic treatments, 163 extractions, 251 fillings and 239 treatments for the relief of infection.

The Number of Patients

at the beginning of the year was 298, with 53 on visit. Admissions totaled 359, and four returned from visit. The whole number under treatment was 663. Discharges numbered 342 and deaths 22. There remained at the end of the year 303 patients in the hospital and 43 on visit. Detailed information will be found in the tables which follow the out-patient report.

Forty-two per cent. of the patients were treated for less than cost of care; 49 were free, and 224 part pay. There were 8,266 free and 37,790 part pay days.

The Admissions

for the year were 359 and of these 224 or 62 per cent. were voluntary. Of those admitted 226 or 63 per cent. had residence in Pennsylvania and 52 per cent. in Philadelphia.

Mental Patients

constituted 339 or 94.4 per cent. of all admissions, and of these 263 or 77.5 per cent. were first admissions to this hospital.

Mental Patients First Admitted

numbered 263 and ranged in age from 4 to 91 years. Twenty-five patients were under 15 years of age on admission and 12 patients were over 70 years. Duration before admission was less than a month in 71 cases, was from one to three months in 53, from three to six months in 32, from six to nine months in 27, from nine months to a year in 6, and over a year in 71 instances, with 3 unknown.

The Discharges

of mental patients number 326, of whom 63 were recovered and 62 more were able to maintain themselves in the community. In addition 89 patients were discharged as improved. The follow-up system is being continued and is based on the patient's record for from five to ten years after admission.

Recoveries

Of the 63 recoveries, the average duration of mental illness before admission was five months, and the average time of treatment in the hospital was 4 and 2/3 months. Duration of illness in these patients ranged from two days to three years.

Deaths

of mental patients numbered 22, with an average age at death of 56 years. Two of these patients were admitted in a critical condition.

The Daily Average

number of patients in the hospital for the year was 300.14.

Staff

A partial survey of the interests of members of the staff in community organizations reveals connections with the Jefferson and University of Pennsylvania Graduate Medical Schools, Yale University, Bryn Mawr College, the Presbyterian Hospital, the Child Guidance Clinic, the Parents' Council, the Community Health Center, the Mental Hygiene Committee of the Public Charities Association of Pennsylvania, the Philadelphia School for Social Service and Health Work, and the Wilmington Juvenile Court Clinic.

Dr. Florence M. Crimmins and Dr. H. Whitman Newell left in August to go to the Institute for Child Guidance in New York. Dr. Marjorie Jeffries Wagoner of Bryn Mawr College completed a service of five months.

Publications and Lectures

(1) "Insulin Therapy in Undernourished Psychotic Patients; Preliminary Report." K. E. Appel, M.D., C. B. Farr, M.D. and H. K. Marshall, M.D. *Journal of the American Medical Association* 90: pp. 1788-1789, June 2, 1928.

(2) "Medical Education; Retrospect of Recent Graduate." K. E. Appel, M.D. *Boston Medical and Surgical Journal*. 197: pp. 1265-1267, January 5, 1928.

(3) "The Specific Gravity of the Blood Serum and Intradermal Saline Tests as Indices of Water Metabolism." K. E. Appel, M.D. and C. B. Farr, M.D. *American Journal of Psychiatry*, Vol. VIII, No. 1, pp. 53-58, July, 1928.

(4) "Mental Hygiene." K. E. Appel, M.D. Lecture, Philadelphia Society of Ethical Culture, Philadelphia.

(5) "Gastro-Intestinal Reaction to the Emotions: The Role of the Vegetative System." C. W. Lueders, M.D. Archives of Internal Medicine, Vol. 42, pp. 282-296, August, 1928.

(6) "Central Neuritis: Its Etiology and Symptomatology." G. H. Pearson, M.D. Archives of Neurology and Psychiatry, Vol. 20, pp. 366-391, August, 1928.

(7) "Interpretative Study of Involutional Melancholia." G. H. Pearson, M.D. American Journal of Psychiatry, Vol. VIII, No. 2, pp. 289-335.

(8) "Psychogenic Factors in Sequelae of Cerebral Trauma; Report of Two Cases." G. H. Pearson, M.D. Journal of Nervous and Mental Disease 67: pp. 449-456, May, 1928.

(9) "Xanthoma of the Choroid Plexus." G. H. Pearson, M.D. Archives of Pathology. Vol. 6, No. 4, pp. 595-597.

(10) "Two Cases of Paget's Disease (Osteitis Deformans) Associated with Mental Symptoms." L. H. Smith, M.D. Journal of Nervous and Mental Disease, Vol. 68, pp. 578-582, December, 1928.

(11) "A Few Thoughts for the Medical Student." E. A. Strecker, M.D. Journal of the American Medical Association, Vol. 90, pp. 486-489, February 11, 1928.

(12) "Lying and Stealing in Children." E. A. Strecker, M.D. The Medical Searchlight, Vol. LV, No. 3, Feb. 1, 1928.

(13) "Paresis Sine Syphilis." E. A. Strecker, M. D.

(14) "The Psychological Conception of Mental Disease." E. A. Strecker, M.D. Mental Hygiene, Vol. XII, No. 2, pp. 343-357, April, 1928.

(15) "Psychiatry for Nurses." Course of ten lectures given for the Nurses' Training School of the Presbyterian Hospital, Philadelphia. K. E. Appel, M.D. and L. H. Smith, M.D.

(16) "Psychiatry for Social Workers." K. E. Appel, M.D. and E. D. Bond, M.D. Course of Lectures given for the Pennsylvania School of Social and Health Work, Philadelphia.

(17) "Psychology and Psychiatry." L. H. Smith, M.D. Course of six lectures given to the students of the Philadelphia School for Occupational Therapy, Philadelphia.

(18) 1. "Joint Responsibility of Parents and Teachers in the Training of the Child." 2. "Personal Mental Hygiene." E. A. Strecker, M.D. Given under auspices of Parent-Teachers Association, Oak Lane Country Day School, January 23rd, February 13th and March 15th, 1928.

(19) "Psychiatric Manifestations Seen in the Practice of Obstetrics and Gynecology." E. A. Strecker, M.D. Obstetrical Society of Philadelphia, March 1st, 1928.

(20) "The Psychological Conception of Mental Diseases." E. A. Strecker, M.D. Presidential Address, Philadelphia Psychiatric Society, January 13, 1928.

(21) "The Application of Psychiatry to Everyday Life." E. D. Bond, M.D. Lecture, Bryn Mawr College, December, 1928.

(22) "New Ideas in Psychiatry." E. D. Bond, M.D. Physicians' Study Group, Wilkes-Barre, November, 1928.

(23) "Address to Graduating Class." E. D. Bond, M.D. Germantown Hospital, Philadelphia, May, 1928.

(24) "Psychology and Psychiatry." E. D. Bond, M.D. Annual Meeting, Main Line Branch of Montgomery County Medical Society, May, 1928.

(25) "Nursing the Mentally Ill." Letitia Wilson, R.N. Mental Health Bulletin, Vol. 6, No. 4, Pennsylvania.

(26) "'Picked-up' Pattern Weaving." Frances Patton and Kathryn I. Wellman. The Handicrafter, December-January, 1928-1929.

(27) "Clinical Psychiatry." E. A. Strecker, M.D. with F. G. Ebaugh, M.D. Second and revised edition, Blakiston, 1928.

(28) "Prognosis in Schizophrenia." E. A. Strecker, M.D. with G. F. Willey, M.D. Publications of Association for Research in Nervous and Mental Disease, Vol. V, pp. 883-926, Lea and Febiger, 1928.

Laboratory Statistics

Anthropological measurements.....	35
Bacteriological smears, cultures, etc.....	130
Basal metabolism tests (incl. spec. dynamic tests).....	196
Blood-coagulation tests.....	158
Blood counts (complete, partial, special).....	999
Blood sedimentation testes.....	104
Blood chemistry (routine, sugar and urea, special).....	727
Feces, routine.....	24
Fractional test meals.....	32
Milk, chem. and bacteriological.....	34
Pharmacological tests:	
Adrenaline	18
Histamine	82
	— 100
Photographs:	
Specimens, etc.....	8
Patients	177
	— 185
Psychogalvanometric tests.....	139
Renal function tests.....	20
Spinal fluid, incl. chem. and colloidal.....	46
Urine exam., routine and special.....	1097
X-Ray:	
Routine—General	147
Dental	52
	— 199

In addition the following examinations were made at the Ayer Laboratory:

Wasserman tests (incl. Kahn test):	
Spinal fluid, blood.....	466
Spec. cultures, vaccines, etc.....	4
Autopsies	6
Studies of the Central Nervous System.....	64

Of these the study of brains from autopsies from the Ayer Laboratory showed:

Ependymitis	1
Meningitis, tubercular.....	3
Meningo-encephalitis	13
Encephalitis, toxic	2
Hupernephroma	1
Carcinomatosis	1
Arteriosclerosis	16
Haemorrhage	7
Thrombosis	1
Syphilis	2
Developmental defects.....	4
Compression myelitis, extra-dural abscess.....	1
Normal	2
Toxic changes.....	3
Study not completed.....	7

Financial and Business Statement

The operating deficit for 1928 was \$50,162.09. Endowment income of \$21,167.83 reduces the net deficit to \$28,994.26. Our average income per patient per week from operations was \$35.52 and our average expenses \$38.72, leaving a deficit of \$3.20 per patient per week. In 1928 the net deficit was \$20,066.02, the income per patient per week was \$35.79 and the average expense \$38.52.

The service building has been functioning smoothly during the period. It fully demonstrates the wisdom of the man who designed it.

Ground was broken on September 17, 1928, for the new patients' building. As this building was built on our old athletic field a new one was laid out and graded in back of the gymnasium. The stone wall along Haverford Avenue, at the Men's Department, was torn down and replaced by an iron fence. Ground excavated for the new building was dumped in the low section toward 49th and Market Streets and graded ready for seeding in the spring. A number of changes were made in the old building looking forward to the time when its functions will be changed by the completion of the new building.

At the Women's Department two new bathrooms were installed in South Fisher ward, all buildings were painted outside, two experimental rooms were built and the equipment was maintained at high standard. Lower Shields was converted into a convalescent ward, and a sitting room and dormitory were made for the children.

The farm improved its position tremendously, reporting a profit of \$1083.30 for the year. While progress seems slow at the farm to those of us who visit it regularly, it is now possible to drive to Rhoads Hall, the farm manager's house, Caley House or either dairy barn over a good road. Progress has been made on the permanent fence around the property and a large amount of planting has been done which will add to the natural beauty of the property in years to come.

Rhoads Hall has been one year in operation. Thirty-six patients have been received for convalescence, for rest, and for relief from complicated surroundings. Nothing has come up to make us want to change the complete informality which prevails. A loss of \$855.01 for the year was incurred, but interest charges were met and \$5760 set aside for depreciation.

Acknowledgments

The patients at Christmas were remembered as usual by Judge Gest and Mr. Henry H. Collins. Two radio sets were given by Atwater-Kent Company, with eliminators by the Philadelphia Storage Battery Company. Generous gifts were made by different members of the staff and Board of Managers and their families—by Mr. Charles Evans, Dr. Strecker, Dr. Fuller, Mrs. Mehring, Mrs. Walter B. Clark, and the Woman's Auxiliary Committee. Clothing and toys were given by Mrs. Jacqueline Harris and books by Mrs. Mary Kift. Mr. Alfred Fleisher and Mr. J. C. Gutman gave support to a special bit of research.

My thanks go as usual to the Managers for sympathetic support and advice and to the medical and business staff for their loyal and energetic services.

Respectfully submitted,

EARL D. BOND,

Physician-in-Chief and Administrator.

REPORT OF THE OUT-PATIENT NEURO-PSYCHIATRIC CLINIC

For the Year Ending December 31, 1928

To the Physician-in-Chief and Administrator:

The first clinic year in the new quarters has been successfully completed. The total number of new patients was 976, including 332 men, 354 women and 290 children (160 male, 130 female). In addition to this 147 were treated at the Lying-In Department. Revisits, 2,880; psychometric measurements, 375; electrical treatments, 1,351; bakings and massage, 2,009, and social service rendered to 322.

A brief analysis of these statistics may be of some interest. They represent not only a relative but also an absolute increase in the number of new patients, since the report for the year 1927 included as patients seen for the first time, a number who were already on the rolls of the clinic but had to be entered as new due to the change in the system of record keeping.

The Social Service Department was at least twice as active as an arm of the clinic than it had ever been before. It is a matter for comment that the association between the clinic physicians and the Social Service workers becomes each year more satisfactory and more helpful.

Perhaps even of greater importance than the number of individual patients who are examined and treated in the clinic, is the source of their reference. That patients are referred from such a great number and diversified group of organizations as are listed in the table, constitutes obvious testimony to the increasing recognition of the usefulness of psychiatry as an aid in the solution of the problems of every day life. In the 58 agencies who sent patients to our clinic we find represented, business, religious, educational and philanthropic interests. The source of new patients is as follows:—

Source of New Patients

American Red Cross.....	5	Public Health Nurse.....	1
Bell Telephone Company.....	1	School Nurses.....	8
Beth Eden Settlement.....	2	Seamen's Church Institute...	2
Big Sister Association.....	4	Sheltering Arms.....	5
Bureau of Compulsory Educa-		Sleighton Farms.....	2
tion	15	Society to Protect Children	
Catholic Children's Bureau....	3	From Cruelty.....	19
Chestnut Hill Academy.....	1	Southern Home.....	2
Child Hygiene Association....	1	St. Simon's Mission Settlement	1
Children's Aid Society.....	8	Starr Centre.....	2
Children's Bureau.....	2	Union Benevolent Association	1
Church Mission of Help.....	6	Visiting Nurse Society.....	2
Church Home.....	1	Wayne Neighborhood League	2
City Chest Clinic.....	1	White Williams Foundation.	3
Clovernook Home.....	6	Western Temorary Home....	1
College Settlement.....	1	Workman Place House Set-	
Curtis Publishing Company...	1	tlement	1
Day Nurseries.....	1	Pennsylvania Hospital.....	128
Department Public Welfare...	6	Pennsylvania Hospital Clinics	185
Emergency Aid.....	1	Medical	94
Family Society of Philadelphia	42	Skin Special.....	14
Girls' Fellowship Service....	1	Surgical	14
Hebrew Sheltering Home.....	20	Eye	13
Home Missionary Society.....	2	Skin	11
Human Research Corporation	4	Cardiac	9
Jewish Welfare Society.....	5	Gynecological	6
Juvenile Aid Society.....	3	Nose, Throat, Ear...	6
Light House.....	3	Pediatric	6
Lutheran Settlement.....	2	Compensation	3
Main Line Federation of		G. I.	3
Churches	15	G. U.	3
Mothers' Assistance Fund....	23	Diabetic	1
Newbold & Company.....	1	Food Class	1
Personal Service Bureau.....	3	Orthopedic	1
Phipps Institute.....	4	Own or Family Initiative...	262
Philadelphia Child Welfare...	1	Other Hospitals (16).....	43
Philadelphia Heart Association	2	Schools, Courts, Churches...	35
Presbyterian Orphanage.....	29	Private Physicians.....	42
Protestant Episcopal City Mis-			
sion	3		

This is the tenth successive year in which we have reported not only the primary psychiatric or neurological diagnosis but have also appended the important organic pathology. We continue to

do this without any strong feeling that such organic pathology is necessarily a dynamic factor in the production of the patient's maladjustment. The statistics have some value in that they constitute a fairly accurate representation of the physical handicaps and disabilities which one may expect to find in the psychoneuroses, in mental deficiency and mental retardation, and in the behavior problems of children. The diagnosis of new cases is as follows:—

Diagnoses of New Patients

Psychoneuroses 243

Anxiety Neurosis.....	24	Psychoneurosis (arteriosclerosis)	2
Hysteria	12	Psychoneurosis (cardiac disease)	3
Hysteria (infected tonsils)...	3	Psychoneurosis (cholecystitis)	1
Hysteria (lues).....	2	Psychoneurosis (chorea).....	1
Hysteria (pregnancy.).....	2	Psychoneurosis (deflected septum)	2
Neurasthenia	42	Psychoneurosis (diabetes mellitus)	1
Neurasthenia (arteriosclerosis)	4	Psychoneurosis (dysmenorrhea)	2
Neurasthenia (arthritis).....	1	Psychoneurosis (endocrine dysfunction)	4
Neurasthenia (endocervicitis)	2	Psychoneurosis (enuresis)....	4
Neurasthenia (hyperacidity) .	1	Psychoneurosis (glaucoma)...	1
Neurasthenia (infected tonsils)	3	Psychoneurosis (infected tonsils)	11
Neurasthenia (infected tonsils, defective vision).....	3	Psychoneurosis (influenza)....	1
Neurasthenia (insomnia)....	2	Psychoneurosis (lues).....	10
Neurasthenia (lues).....	2	Psychoneurosis (menopause)..	2
Neurasthenia (malnutrition) .	3	Psychoneurosis (nephritis)....	2
Neurasthenia (menopause)...	6	Psychoneurosis (obesity).....	2
Neurasthenia (pruritis-ani)...	1	Psychoneurosis (sciatica).....	3
Psychasthenia	17	Psychoneurosis (sinusitis)....	3
Psychasthenia (anemia).....	4	Psychoneurosis (traumatic)...	2
Psychasthenia (cardiac disease)	2	Psychoneurosis (tuberculosis) .	3
Psychasthenia (menopause)...	4		
Psychasthenia (pregnancy) ..	4		
Psychasthenia (tuberculosis) ..	1		
Psychoneurosis	31		
Psychoneurosis (apical abscesses)	5		

Neurological Conditions 203

Arteriosclerosis, cerebral.....	12	Cerebral concussion (acute alcoholism)	2
Brain tumor.....	1	Chorea	8
Cerebral concussion.....	4		

Chorea (cardiac disease)....	6	Neuritis, cranial.....	3
Chorea (infected tonsils)....	3	Neuritis, lead.....	1
Chorea (malnutrition)	3	Neuritis, optic.....	1
Encephalitis, epidemic	9	Neuritis, peripheral.....	2
Encephalitis (hyperthyroidism)	3	Neuritis, radial.....	2
Encephalitis	3	Neuritis, sciatic.....	5
Encephalitis, post.....	8	Neuritis, traumatic.....	3
Encephalitis (Parkinsonian		Neuritis, ulnar.....	5
syndrome)	11	Paralysis, facial.....	14
Hemiplegia	3	Paralysis, general.....	8
Hemiplegia (arteriosclerosis,		Paralysis, musculospiral.....	2
lues)	3	Paralysis, peripheral.....	3
Hydrocephalus (lues)	2	Paralysis, radial.....	2
Little's disease.....	2	Parkinsonian Syndrome.....	8
Lues, cerebrospinal.....	30	Poliomyelitis	4
Lues, vascular.....	2	Sclerosis, posterior-lateral	
Multiple, sclerosis.....	2	(anemia)	1
Neuralgia	2	Thrombosis (lues).....	2
Neuritis, alcoholic.....	10	Tic douloureux.....	2
Neuritis, brachial.....	6		

Psychoses 120

Dementia, arteriosclerotic.....	2	Paresis	16
Dementia praecox.....	35	Psychosis, alcoholic.....	4
Dementia praecox, paranoid..	5	Psychosis (somatic disease)..	5
Involutional melancholia.....	8	Psychosis, toxic.....	2
Manic-depressive, depressed..	21	Psychosis, traumatic.....	2
Paranoid conditions.....	15	Psychosis, unclassified.....	5

Mental Deficiency 70

Idiocy	4	Moron (endocrine dysfunc-	
Imbecility	6	tion)	3
Imbecility (deafness).....	4	Moron (infected tonsils)....	7
Imbecility (question of deaf-		Moron (lues).....	2
ness)	2	Moron (optic atrophy).....	2
Moron	35	Moron (speech defect).....	4
		Moron (tuberculosis).....	1

Mental Retardation 74

Mental retardation.....	48	Mental retardation (otitis me-	
Mental retardation (arthritis,		dia)	6
neuritis)	1	Mental retardation (sinus in-	
Mental retardation (chorea)	3	fection)	1
Mental retardation (defective		Mental retardation (spastic	
vision)	3	palsy)	2
Mental retardation (lues)....	2	Mental retardation (speech	
		defect)	8

Constitutional Psychopathic States 29

Constitutional Psychopathic In-	feriority 29
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Epilepsy 64

Grand mal	35	Grand mal (tuberculosis)...	2
Grand mal (deafness).....	2	Petit mal.....	15
Grand mal (malnutrition)...	4	Petit mal (mental retardation)	6

Behavior Problems 135

Behavior Problems	56	Behavior Problems (mental	
Behavior Problems (anemia) .	3	retardation)	34
Behavior Problems (chorea) .	6	Behavior Problems (post en-	
Behavior Problems (enuresis)	8	cephalitis)	15
Behavior Problems (infected		Behavior Problems (speech	
tonsils)	8	defect)	2
Behavior Problems (malnu-			
trition)	3		

Miscellaneous 38

Alcoholism, chronic	5	Hydrocephalus	2
Arthritis (apical abscesses) ..	2	Post-operative Graves disease	1
Atrophy, right cortical	1	Speech defect	2
Bursitis, subdeltoid	1	Syringomyelia	1
Drug addiction	2	Torticollis, spasmodic	1
Endocrine dysfunction	10	Undernourishment	2
Enuresis	3	Diagnosis deferred	4
Fractured vertebrae (old) ...	1		

The usefulness of the clinic as an adjunct to the Lying-In Department of the hospital has been demonstrated. This year 147 unmarried mothers were studied and treated from the standpoint of their social adjustment and where this was manifestly impossible, they were given whatever protection was afforded by available facilities. Our experience in this work leads us to believe that the active developments in the program of the State should emphasize preventive and prophylactic aspects of mental hygiene rather than custodial care.

The clinic has continued its usual teaching activities. In one way or another the facilities and the clinical material have been placed at the disposal of graduate students in psychiatry and pediatrics, psychologists, nurses and social workers. Some of the special workers have engaged in special clinical studies.

Every year increases my sense of obligation to all those who have contributed so unstintingly of their time and thought in order to forward the interests of the clinic and increase its services. It is a pleasure to acknowledge our indebtedness to the following:

The Managers of the Hospital, the Superintendent, Mr. Test, the Physician-in-Chief of the Department for Mental and Nervous Diseases, the Consultant on Future Development, the Staff, both visiting and resident; the various clinics and laboratories of the Department for Sick and Injured, and the Staff of the Neuro-Psychiatric Clinic. As in previous years, Dr. Clifford B. Farr and Professor William Spiller have been ready to give us the benefit of their experience. Finally, it is altogether fitting to record that the clinic has reached the present stage of its development largely through the untiring efforts of Miss Jane C. MacNeal, R.N.

Respectfully submitted,

EDWARD A. STRECKER, M.D.,
Chief of Neuro-Psychiatric Clinic.

STATISTICS OF DEPARTMENT FOR MENTAL AND NERVOUS DISEASES
For the Year Ending December 31, 1928

	Mental Patients			Alcohol and Drug Habitués			TOTAL		
	M	W	Total	M	W	Total	M	W	Total
December 31, 1927									
Number of Patients in Hospital.....	117	181	298	0	0	0	117	181	298
Number of Patients on Visit.....	18	33	51	2	0	2	20	33	53
Admitted.....	151	188	339	20	0	20	171	188	359
Committed.....	50	81	131	4	0	4	54	81	135
Voluntary.....	101	107	208	16	0	16	117	107	224
Returned from Visit.....	2	4	6	0	0	0	2	4	6
Whole Number Treated.....	270	373	643	20	0	20	290	373	663
Discharged.....	139	187	326	16	0	16	155	187	342
Recovered.....	14	49	63	.....	.....	.....	14	49	63
Capable of Self-Maintenance.....	24	38	62	.....	.....	.....	24	38	62
Improved.....	44	45	89	.....	.....	.....	44	45	89
Unimproved.....	43	49	92	.....	.....	.....	43	49	92
Without Psychosis.....	14	6	20	.....	.....	.....	14	6	20
Died.....	14	8	22	.....	.....	.....	14	8	22
December 31, 1928									
Remaining in Hospital.....	121	179	300	3	0	3	124	179	303
Remaining on Visit.....	12	28	40	3	0	3	15	28	43
Daily Average Number in Hospital for the Year	119.46	178.02	297.48	2.66	0	2.66	122.12	178.02	300.14
Number of Persons Admitted.....	150	186	336	20	0	20	170	186	356
Number of Persons Treated.....	267	371	638	20	0	20	287	371	658

GENERAL STATISTICS OF DEPARTMENT FOR MENTAL AND NERVOUS DISEASES 1841-1928

Year	Admitted	Discharged and Died						Remaining At End of Year	Daily Average Number for Year	Out-Patients (First Visits)
		Mental Patients					Alcohol and Drug Habitués			
		Reco- vered	Capable of Self-Main- tenance	Im- proved	Unim- proved	Without Psychosis					Died
Prior to 1841	4360	1493	913	995	610
1841 to 1903	12110	4886	3084	1712	1805
1903	193	52	.....	58	45	.....	45	449	45
1904	211	42	.....	74	42	.....	33	474	40
1905	211	.....	.....	.....	.....	.....	48	441	40
1906	202	44	.....	61	24	.....	36	442	45
1907	225	66	.....	70	30	.....	36	447	50
1908	202	46	.....	58	44	.....	36	447	53
1909	211	48	.....	53	40	.....	46	446	53
1910	205	63	.....	49	49	.....	44	439	69
1911	202	53	.....	41	41	.....	43	442	70
1912	228	50	.....	65	44	.....	41	441	88
1913	238	51	.....	88	44	.....	40	432	106
1914	210	58	.....	75	30	.....	22	435	90
*1914	201	53	.....	98	47	.....	42	416	118
1915	279	52	.....	116	76	.....	39	387	99
1916	258	56	.....	51	62	.....	31	363	118
1917	251	55	.....	88	77	.....	26	349	99
1918	280	62	.....	73	73	.....	20	331	118
1919	257	53	.....	72	54	.....	27	323	99
1920	242	52	.....	68	74	.....	23	341	203
1921	315	58	.....	89	99	.....	26	319	661
1922	312	62	.....	77	75	.....	29	311	760
1923	284	45	.....	68	73	.....	17	313	857
*1923	307	66	.....	133	70	.....	12	294	757
1924	332	49	.....	134	67	.....	21	293	1134
1925	310	29	.....	83	76	.....	15	286	940
1926	362	48	.....	97	76	.....	20	298	1086
1927	359	63	.....	89	92	.....	24	301	1123
1928	.....	.....	.....	.....	.....	.....	22	300	.....

*10 Months only.

Account of Operations

DEPARTMENT FOR MENTAL AND NERVOUS DISEASES West Philadelphia

	Year Ended Dec. 31, 1928	Year Ended Dec. 31, 1927
Income from Operations:		
Department Receipts:		
Board and Treatment.....	\$540,834.44	\$545,101.40
Laundry Service.....	14,435.71	16,775.01
Discount on Purchases.....	1,313.25	1,614.88
Discount on Merchandise Purchased for		
Patients	486.31	406.33
Interest on Bank Deposits.....	155.17	148.27
	<hr/>	<hr/>
Total	\$557,224.88	\$564,045.89
Expenses as annexed.....	607,615.26	595,579.10
	<hr/>	<hr/>
Operating Deficit.....	\$50,390.38	\$31,533.21
Non-operating Income:		
Income from Funds of Department for Men-		
tal and Nervous Diseases, as annexed....	\$20,286.73	\$19,788.04
Interest on Balances.....		50.61
Income Funds, Principal held by Trustees:		
Dunbar Insane.....	881.10	881.10
	<hr/>	<hr/>
	\$21,167.83	\$20,719.75
	<hr/>	<hr/>
Deficit, West Philadelphia Department	29,222.55	10,813.46
Deficit, Rhoads Hall.....	855.01	198.27
Deficit, Ashley Farm.....	1,083.30*	9,054.29
	<hr/>	<hr/>
Total	\$28,994.26	\$20,066.02
*Profit.		
Expenses:		
Administration:		
Salaries and Wages.....	\$29,164.54	\$29,222.07
Supplies and Expenses.....	6,980.51	5,510.49
	<hr/>	<hr/>
Total Administration.....	\$36,145.05	\$34,732.56

Account of Operations (Continued)

DEPARTMENT FOR MENTAL AND NERVOUS DISEASES (Cont.)

	Year Ended Dec. 31, 1928	Year Ended Dec. 31, 1927
Professional Care of Patients:		
Salaries and Wages.....	\$155,493.44	\$141,942.09
Supplies and Expenses.....	4,844.45	5,975.06
	<hr/>	<hr/>
Total	\$160,337.89	\$147,917.15
Department Expenses:		
Laboratories:		
Salaries and Wages.....	\$12,995.33	\$12,604.50
Supplies and Expenses.....	1,263.28	1,189.73
	<hr/>	<hr/>
	\$14,258.61	\$13,794.23
Training Schools:		
Salaries and Wages.....	\$1,699.92	\$1,699.92
Supplies and Expenses.....	218.86	251.10
	<hr/>	<hr/>
	\$1,918.78	\$1,951.02
Libraries:		
Salaries and Wages.....	\$177.18	\$169.25
Supplies and Expenses.....	566.65	1,068.67
	<hr/>	<hr/>
	\$743.83	\$1,237.92
Housekeeping:		
Salaries and Wages.....	\$52,059.25	\$49,723.63
Supplies and Expenses.....	19,520.64	22,351.68
	<hr/>	<hr/>
	\$71,579.89	\$72,075.31
Laundry:		
Salaries and Wages.....	\$17,710.46	\$16,937.98
Supplies and Expenses.....	1,404.47	1,889.97
	<hr/>	<hr/>
	\$19,114.93	\$18,827.95
Kitchen:		
Salaries and Wages.....	\$33,700.84	\$33,368.18
Supplies and Expenses.....	2,592.13	3,716.06
	<hr/>	<hr/>
	\$36,292.97	\$37,084.24
	<hr/>	<hr/>
Food	\$141,021.32	\$144,345.40

Account of Operations (Continued)

DEPARTMENT FOR MENTAL AND NERVOUS DISEASES (Cont.)

	Year Ended Dec. 31, 1928	Year Ended Dec. 31, 1927
Garage:		
Salaries and Wages.....	\$4,259.70	\$3,782.66
Supplies and Expenses.....	4,067.78	1,397.62
	<hr/> \$8,327.48	<hr/> \$5,180.28
Total Department Expenses.....	\$293,257.81	\$294,496.35
House and Property Expenses:		
Heat, Light and Power:		
Salaries and Wages.....	\$12,423.56	\$10,915.60
Supplies and Expenses.....	40,118.47	37,032.39
	<hr/> \$52,542.03	<hr/> \$47,947.99
Repairs and Renewals:		
Salaries and Wages.....	\$33,948.28	\$34,560.32
Supplies and Expenses.....	13,152.98	17,176.79
	<hr/> \$47,101.26	<hr/> \$51,737.11
Garden and Grounds:		
Salaries and Wages.....	\$10,669.42	\$11,078.65
Supplies and Expenses.....	2,246.80	1,764.88
	<hr/> \$12,916.22	<hr/> \$12,843.53
Ice	\$595.59*	\$1,617.06
Water	569.14	216.49
Insurance	5,200.38	3,938.36
Taxes	141.07	132.50
	<hr/> \$5,315.00	<hr/> \$5,904.41
Total	\$5,315.00	\$5,904.41
	<hr/>	<hr/>
Total House and Property Expenses..	\$117,874.51	\$118,433.04

Account of Operations (Continued)

RHOADS HALL

	Year Ended Dec. 31, 1928	Year Ended Dec. 31, 1927
Income from Operations:		
Board and Room.....	\$28,724.22	\$6,906.42
Expenses:		
Administration	288.73	133.61
Medical Service.....	53.43	23.94
Nursing Service.....	1,502.47	318.00
Occupational and Physical Therapy.....	834.23	33.32
Food	5,820.85	1,581.86
Dietitian's Department.....	3,327.05	509.43
Garage	251.88	89.90
Garden and Grounds.....	261.14	.....
Housekeeping	3,027.43	976.36
Heat, Light and Power.....	1,256.66	432.34
Repairs and Renewals.....	1,200.55	101.93
Ice	7.35	.....
Insurance	170.30	984.00
Sinking Fund.....	11,577.16	1,920.00
	<hr/>	<hr/>
	\$29,579.23	\$7,104.69
	<hr/>	<hr/>
Deficit	\$855.01	\$198.27

Account of Operations (Continued)

ASHLEY FARM

Income from Operations:	Year Ended Dec. 31, 1928	Year Ended Dec. 31, 1927
Dairy	\$58,595.23	\$51,886.20
Crops	10,470.65	11,686.99
Garden	2,195.78	2,745.88
Orchard	462.20	966.61
Hogs	8,240.56	8,562.80
Poultry	2,380.19	2,536.72
	<hr/> 82,344.61	<hr/> 78,385.20
 Expenses:		
Labor	17,653.59	17,454.81
Bedding	2,221.06	1,513.22
Bees and Supplies.....	2.82	26.87
Feed, Grain.....	22,981.77	20,135.67
Hay	5,649.61	5,242.13
Fertilizer	1,094.70	1,204.25
Heat, Light and Power.....	581.97	814.91
Ice	706.65	1,270.14
Live Stock.....	4,451.72	11,591.63
Pasture Rental.....	761.84	.....
Seeds	693.67	844.28
Supplies	1,333.48	1,057.12
Swill	300.00	300.00
Veterinary	631.61	413.30
Administration	3,385.53	3,051.73
Board and Room.....	4,299.16	4,783.82
Garage	2,434.05	4,968.15
Horses and Equipment.....	4,427.33	4,957.36
Houses	711.50	1,223.07
Insurance	510.24	633.57
Equipment	21.00*	989.50
Repairs and Renewals.....	4,840.48	3,270.07
Taxes	1,428.32	1,177.88
Water Supply.....	181.21	516.01
	<hr/> \$81,261.31	<hr/> \$87,439.49
 Deficit	 \$1,083.30*	 \$9,054.29
*Profit.		

Account of Operations (Continued)

Summary of Funds and Income Therefrom Calendar Year 1928

DEPARTMENT FOR MENTAL AND NERVOUS DISEASES

	Principal	Income
Unrestricted Funds:		
West Philadelphia Unrestricted.....		\$239.65
Endowment Funds:		
Elizabeth P. McKnight.....	\$20,204.25	1,031.60
Permanent Insane.....	164,180.43	8,382.74
Free Bed Funds:		
Brown	10,000.00	277.20
West Philadelphia Free Bed.....	93,775.54	4,788.00
Williamson Farm (one-half).....	51,746.45	2,902.24
Thomas Wistar.....	9,837.50	529.72
Special Operating Purposes:		
Thomas Warren McKean Downs, for care of children with behavior disorders.....	4,964.07	253.46
Hannah and Jane Morris, for occupational therapy	9,966.98	508.90
Mary Wistar Brown Williams, for occupa- tional therapy.....	26,895.32	1,373.22
	<hr/>	<hr/>
	\$391,570.54	\$20,286.73

SCHOOLS OF NURSING

Of the Pennsylvania Hospital, Department for Mental and Nervous Diseases, West Philadelphia

The Managers of the Pennsylvania Hospital offer at the Department for Mental and Nervous Diseases to men and women desirous of becoming trained nurses courses of instruction in nursing with special reference to mental and nervous diseases, with supplementary training in affiliated general hospitals, preparing them for examination for State registration as professional nurses.

The School of Nursing for Women

is connected with the Department for Women at 4401 Market Street, being distinct from the School of Nursing for Men at Forty-ninth and Market Streets.

It was organized in 1914 on the basis of the highest educational standards for schools of nursing and is registered by the Pennsylvania State Board of Examiners for Registration of Nurses.

The course covers a period of three years, twenty-one months of which are spent in affiliated general hospitals making provision for adequate instruction and practice in every branch of nursing. The additional experience in medical, surgical and obstetrical nursing is given at the Pennsylvania Hospital, Department for Sick and Injured, or at the Presbyterian Hospital, and nursing in children's diseases is given at The Children's Hospital. Arrangements have also been made with The Visiting Nurse Society and the Municipal Hospital to give two months' additional training in those special branches to students desiring it.

The educational requirement for admission to the school is two years of high school or its equivalent. High school graduates are preferred and college students will be given advanced standing, according to the nature of work previously done.

Candidates should be between 18 and 35 years of age and must be in sound physical and mental health.

Application blanks may be obtained by writing to the Superintendent of Nurses, 4401 Market Street. When possible a personal application is desirable. Appointments may be arranged by letter or telephone.

The Superintendent of Nurses, with the approval of the Physician-in-Chief, decides as to fitness of the applicant for the work of nursing and whether she shall be retained at the end of the preliminary period.

A preliminary course of four months' intensive class work is given and during this period the student spends not more than three hours a day on the wards. During this time she has an opportunity to decide definitely whether she cares enough for the work to complete the three years' course and those responsible have an opportunity to advise her as to her fitness and adaptability to the work.

After the preliminary period the student averages only eight hours a day on the wards. This is accomplished by giving one whole day each week for recreation and study, in addition to two hours daily and four hours on Sunday. Three weeks' vacation is allowed each year, or nine weeks during the entire period of training.

The reception rooms, entertainment hall, gymnasium, swimming pool, tennis court, golf course and other resources of the hospital for recreation are at the disposal of the nurses and a wholesome recreational life is encouraged.

In addition to complete maintenance an allowance of \$25 a month is given during the time students are in this hospital and \$10 a month during the period spent in general hospital.

Students provide their own uniforms and text books, but all reference books are furnished by the hospital.

Complete information concerning uniforms and other equipment is mailed with the student's acceptance slip.

In case of acute illness during the training period students are cared for gratuitously by the Hospital. Time lost through illness in excess of two weeks each year must be made up before graduation.

GENERAL SCHEME OF INSTRUCTION

First Year

	Hours
History of Ethics of Nursing	18
Elementary Nursing (including bandaging)	80
Anatomy and Physiology with Practical Demonstration	80
Bacteriology and Pathology	32
Hygiene and Sanitation	24
Materia Medica	80
Drugs and Solutions	30
Household Economy	10
Medical and Surgical Emergencies.....	36
Social and Economic Causes of Disease	12
Clinics (Ward)	20
Chemistry	36
Invalid Occupation	40
Nutrition and Cookery	24
Elementary Massage	16

Second Year

	Hours
Nervous System and Special Senses	10
Clinical Psychiatry	20
Dietetics (Theory and Practice)	60
Medical Diseases	20
Surgical Diseases	20
Massage	10
Hydrotherapy	20
Invalid Occupation	40
Principles and Practice of Nursing	20
Practical Demonstrations in Physiology and Pharmacology	24
Psychology	16
Clinics (Ward)	10
Urinalysis	6

Last Half Second Year and First Half Third Year Eighteen Month in General Hospital

	Months
Surgical Nursing	6
Medical Nursing	4
Children's Nursing	3
Obstetrical Nursing	3
Contagious Nursing	3
Visiting Nursing	2

Finishing Months—Senior Year

	Hours
Professional Problems	5
Modern Social Problems	5
Modern Development in Nursing	5
Introduction to Special Branches	10
Institutional Housekeeping.	
Private Nursing.	
Reviews	10
Including Adaptations of Nursing.	
Technic and First Aid.	

The school was established in 1914. The graduates are:

Class 1917

Anna P. Walsh Hune, R.N.	Married	Philadelphia, Pa.
Margaret Rodgers Shearer, R.N.	Married	Llanerch, Pa.
Ethel L. Williams Donley, R.N.	Married	Oil City, Pa.
Mary Mulholland McGurney, R.N.	Married	Wilkes-Barre, Pa.

Class 1918

Jennie Millar, R.N.	Priv. Duty Nurse	Brooklyn, N. Y.
Letitia Wilson, R.N.	Supt. of Nurses	Pennsylvania Hospital, Department for Mental & Nervous Diseases, Phil- adelphia, Pa.

Class 1919

Maude L. Allen McKendry, R.N.	Married	Philadelphia, Pa.
Augusta H. Eagan, R.N.	Married	Camden, N. J.
Celia M. Richards	Pub. Health Nurse	Ambler, Pa.

Class 1920

Frances J. Kennedy, R.N.	Supt. of Nurses	State Hospital, Trenton, N. J.
Irene Sharp, R.N.	Office Nurse	Philadelphia, Pa.
Lulu Hiscox Grady, R.N.	Married	Chester, Pa.

Class 1921

Mabel Beyer Fairchild, R.N.	Married	Minneapolis, Minn
Kathryn Griffin Ruddy, R.N.	Married	Philadelphia, Pa.

Class 1922

Edith Oliver, R.N.	Hospital Supt.	Port Arthur, B. C.
Margaret Hoffer, R.N.	Nurse	Philadelphia, Pa.

Class 1923

Marion Wanger, R.N.	Surg. Supervisor	The Children's Hospital, Philadelphia, Pa.
Margaret Eagan Kline, R.N.	Nurse	Philadelphia, Pa.

Class 1924

Harriett Meloney, R.N.	Nurse	Pennsylvania Hospital, Department for Mental & Nervous Diseases, Phil- adelphia, Pa.
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Class 1927

M. Westt Kearns, R.N.	Inst. of Nurses	Department for Mental & Nervous Diseases, Phil- adelphia, Pa.
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Class 1928

Florence E. Bowes	Asst. Head Nurse	Pennsylvania Hospital, Department for Mental & Nervous Diseases, Phil- adelphia, Pa.
Bernice K. Meixell	Priv. Duty Nurse	Philadelphia, Pa.

Affiliated pupils numbered three in 1923, two in 1924, seven in 1925, nine in 1926, fourteen in 1927, and twenty in 1928.

POST-GRADUATE COURSE IN MENTAL
AND NERVOUS NURSING

Department for Women
4401 Market Street

From the Social Service agencies, from the Red Cross, and from public health and school officers has come a new and increasing demand for nurses who have neuro-psychiatric, in addition to general training. The older demand for such nurses as hospital executives and in private practice still continues. This means wide opportunities for those qualified. The graduate nurse with merely general hospital experience is not trained or equipped to meet this special and increasing demand; neither the theory nor the practice of mental and nervous nursing is available in the general hospital training school and both of these are indispensable to meet the particular demands in this field. It is only through actual contact with mental and nervous patients that their peculiar needs can be appreciated and the neuro-psychiatric viewpoint can be obtained.

A four months' course in the theory and practice of the nursing of mental and nervous patients is offered to all graduates of general hospitals furnishing proper credentials.

Thirty dollars a month and maintenance are given during the period of training. The hours of duty are from seven in the morning until seven in the evening, with two hours daily and one day weekly off duty. Extra time is given for lectures and classes. In cases of illness the student is cared for gratuitously at the hospital, unless such illness is prolonged, but all time lost in this way or any other way must be made up.

The grounds surrounding the hospital offer ample space for outdoor exercises and games. The swimming pool is open twice a week under the supervision of an instructor. A hall for dancing, which is provided with a piano and victrola, is open one or two evenings a week under the supervision of our Social Director.

A social hall is also available for the use of the nurses, where they may receive callers during the afternoon and evening.

Students are required to wear the customary uniform, cap, and apron of the training school from which they graduated, black shoes with rubber heels.

When possible the applicants should apply in person, as they can then be given more detailed information.

It is most important that the student should be in good health.

When the four months are satisfactorily completed a certificate with the seal of the Hospital is granted the student.

Outline of Instruction

Anatomy and Physiology of Central Nervous System, includes laboratory demonstration.....	18 hrs.
Review of Special Senses.....	2 hrs.
Psychology	14 hrs.
Clinical Psychiatry lectures.....	12 hrs.
Clinical Psychiatry classes.....	12 hrs.
Mental Hygiene.....	2 hrs.
Mental Nursing, Principles.....	8 hrs.
History taking, special observations, theory and practice..	6 hrs.
Conference on current admissions and discharges.....	10 hrs.
Psycho-pathology in Children.....	2 hrs.
Mental Measurements.....	6 hrs.
Serum Therapy.....	1 hr.
Therapeutic Value of Mechano-Electro-Hydro-therapy...	1 hr.
Functional Tests.....	2 hrs.

PRACTICAL includes:

Hydrotherapy	4 hrs.
Electrotherapy	4 hrs.
Occupational Therapy, theory and practice.....	65 hrs.
Physical Education Dept. Gymnasium, games.....	8 hrs.
Librarian	2 hrs.

In 1921 this course was completed by three graduates, in 1923 by four, in 1924 by six, in 1925 by four, in 1926 by three, in 1927 by six and in 1928 by fourteen.

THE SCHOOL OF NURSING FOR MEN

is connected with the Department for Men at 111 North Forty-ninth Street.

It offers a three years' course of instruction in nursing, of which ten months are spent in an affiliated general hospital, where the pupil acquires additional experience in medical, surgical, operating room and genito-urinary nursing.

The school is registered by the Pennsylvania State Board of Examiners for Registration of Nurses, and its graduates are eligible for examination for registration.

The requirements for admission necessitate applying in the applicant's own handwriting to the Superintendent of Nurses, 111 North Forty-ninth Street, West Philadelphia, Pa. A personal interview is desirable whenever possible, and may be arranged by letter or call between 10 A. M. and 12.30 P. M.

Applicants are preferred between 20 and 35 years of age.

A high school education or its equivalent is desirable.

Applicants who are to be further considered will be furnished with a blank form of application, which should be filled out and returned with a physician's certificate of good health.

There is a probationary period of three months to enable the applicant to decide definitely whether he will agree to complete the required course, and, furthermore, to enable the Superintendent of Nurses to determine whether he is adapted to the work and qualified to make a success of it.

The Physician-in-Chief and Superintendent of Nurses will decide as to the fitness of the applicant for the work of nursing, and may retain or dismiss him during the probationary period, or sever his connection with the school at any time for reasons which seem to them sufficient.

During the course of training in this hospital the pupils receive in addition to their board, lodging and laundry, \$30 a month

the first three months, \$35 a month thereafter; but while in a general hospital, they receive the remuneration paid by that hospital.

The education and nursing experience are considered of greater value than the money compensation.

Graduates who are trained in the service of the hospital receive higher compensation, according to the positions filled.

Pupils average sixty hours a week in the wards. In addition to their daily hours off duty they are allowed one whole day each week for recreation and study, and three weeks' vacation each year. During the school term lectures and classes are attended in off-duty time. During illness pupils are cared for gratuitously, unless it be prolonged, and receive compensation, unless its duration exceeds two weeks in any year.

Students have access to the gymnasium and swimming pool. The hospital has ample grounds. Baseball, soccer, and other outdoor and in-door sports are enjoyed.

Graduates of the school find several fields open to them. Head places in our own hospital are often available to those who are adapted for them. The comprehensive scope of the training specially qualifies graduates of this school for executive and administrative positions. Also industrial nursing in large manufacturing plants is looking more each year to graduate men nurses to care for their first aid service to injured employees. Another advantage which comes to graduates is the opportunity of pursuing plans for further education, which may be a medical or college course or some specialized branch of nursing. This is made possible by the graduate's increased earning ability.

A post-graduate course in physiotherapy is offered to graduates of this school. Nurses completing the course are eligible for examination in Pennsylvania and for registered physiotherapists.

After the completion of the required course and passing all examinations, the pupil is awarded a diploma, certifying to the period of his training and good conduct and character.

Instruction by demonstrations, lectures, recitations, laboratory work, and practical exercises, is given between October 1st and May 31st of each school year. Students are admitted to probation during June, July, August, September, October, November, December and January. Two groups of students receive the preliminary course each year. The first group is made up and instruction begun the first week in October. The second preliminary group starts in February.

Schedule of Instruction

The courses are taught by lectures and demonstrations, and quizzes on same; text-book recitations; laboratory demonstration and practice.

The Preliminary (first four months), First Year, and Third Year subjects are taught in the home school; the Second Year subjects in affiliated general hospital school.

Preliminary

Elements of Nursing	Personal Hygiene
Anatomy and Physiology	Elementary Dietetics
Hospital Housekeeping	Bandaging
Historical, Ethical and Social Basis of Nursing	Drugs and Solutions

First Year

Rational Exercise (Gymnasium)	Nursing in Typhoid Fever
Elementary Chemistry	Nursing in Surgical Diseases
Bacteriology	Sanitation
Materia Medica and Therapeutics	Elements of Nursing in Mental and Nervous Diseases
Urinalysis	
Nursing in Medical Diseases	

Second Year

Dietetics	Tuberculosis
Nursing in Medical Diseases	Nursing in Communicable Diseases
Nursing in Diseases of Eye, Ear, Nose, Throat and Skin	Nursing in Surgical Diseases
Operating Room Technic	Nursing in Genito-Urinary Diseases
	Nursing in Venereal Diseases

Third Year

Nursing in Orthopedic Surgery	Anatomy and Physiology of the
Elements of Psychology	Private Nursing
Nursing in Mental and Nervous	History of Nursing and Ethics
Diseases	Public Sanitation
Nursing in Communicable Diseases	Special Therapeutics
(continued)	Survey of the Nursing Field
Professional Problems	Mental Hygiene
Nursing in Medical and Surgical	Massage
Emergencies	Hydrotherapy
Central Nervous System	

Practical Training

Of the thirty-six months of the course, twenty-six months' duty is given in the home school and ten months in the affiliated hospital. This training is divided among the following services:

Home School

Convalescent Observa-	Behavior (Children)	Acute	Special
tion			
Hydrotherapy Massage	Diet Kitchen	Operating Room	Chronic

Affiliated School

Medical	Surgical	Operating Room	Genito-Urinary
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The school was established in 1914. The graduates are:

Class 1917

John Boyle	In Business	Pittsburgh, Pa.
Alphonsus J. Connelly	Private Nurse	Stephenson, Va.
John A. Devlin		Deceased.
Claude Garland	Charge Nurse	Rhoads Hall, Pa.
Robert N. Hughes	Charge Nurse	Pennsylvania Hospital, Department for Mental and Nervous Diseases.
John Quigley	Night Superin- tendent of Nurses	Pennsylvania Hospital, Department for Mental and Nervous Diseases.
John J. Carey	Hydrotherapist	Department of Psychia- try, State University, Iowa City, Iowa.

Class 1918

John Paul Bischoff	Nurse	Unknown.
Lawrence H. Himes	Private Nurse	New Holland, Pa.

Class 1920

Nov. Hak Kodama, R.N.	Nurse	Bloomington Hospital, White Plains, N. Y.
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Class 1921

Harold E. Sterner, R.N.	Private Nurse	Los Angeles, Cal.
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Class 1922

Wesley A. Krapf, R.N.	Student	Peirce Business School, Philadelphia, Pa.
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Class 1923

John L. Bohlke, R.N.	Private Nurse	Philadelphia, Pa.
Daniel J. Evans, R.N.	Assistant Supt. of Nurses	Pennsylvania Hospital, Department for Mental and Nervous Diseases, Philadelphia, Pa.
John Grady, R.N.	In Business	Philadelphia, Pa.
John H. Smith, Jr.	Nurse	Pennsylvania Hospital, Department for Mental and Nervous Diseases, Philadelphia, Pa.

Class 1924

Samuel P. Campbell, R.N.	Physiotherapist	Pennsylvania Hospital, Department for Mental and Nervous Diseases, Philadelphia, Pa.
Ellis C. Hulme, R.N.	Night Supervisor	Bloomington Hospital.
Patrick M. Haughey, R.N.	Purchasing Agent	Bryn Mawr Hospital, Bryn Mawr, Pa.
Donald L. Reams, R.N.	Asst. Business Manager	Pennsylvania Hospital, Department for Mental and Nervous Diseases, Philadelphia, Pa.

Class 1925

Alexander F. Lubinski, R.N.	Private Nurse	Ann Arbor, Mich.
James Q. Simmons, Jr., R.N.	Physiotherapist	Pennsylvania Hospital, Department for Mental and Nervous Diseases, Philadelphia, Pa.
Richard D. Thomas, R.N.	Student	Laboratory Technique.
Elisha S. West, R.N.	Floor Supervisor	Hospital of the Gradu- ate School of Medicine, University of Pennsyl- vania, Philadelphia, Pa.

Class 1926

Jeremiah J. O'Connor, R.N.	Private Nurse
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Class 1927

Willard Bouldin	Charge Nurse	Pennsylvania Hospital, Department for Mental and Nervous Diseases, Philadelphia, Pa.
Frank Dillon	Private Nurse	Philadelphia, Pa.
Allen O. Ernst	Private Nurse	Philadelphia, Pa.
Samuel Kyle	Private Nurse	Philadelphia, Pa.
James E. Neleigh	Private Nurse	Philadelphia, Pa.

Class 1928

John J. Curran	Nurse	Pennsylvania Hospital, Department for Mental and Nervous Diseases.
H. Cecil Dillahunt	Charge Nurse	Pennsylvania Hospital, Department for Mental and Nervous Diseases.
Michael A. Healy	Charge Nurse	Pennsylvania Hospital, Department for Mental and Nervous Diseases.
Sheridan F. Holdridge	Nurse	Pennsylvania Hospital, Department for Mental and Nervous Diseases.
Nevin R. Kressley	Supervisor	Graduate Hospital, Uni- versity of Pennsylvania
William D. Kimler	Nurse	Pennsylvania Hospital, Department for Mental and Nervous Diseases.

Harold L. Lyons	Nurse	Pennsylvania Hospital, Department for Mental and Nervous Diseases.
Emory G. Mowery	Nurse	Pennsylvania Hospital, Department for Mental and Nervous Diseases.
Hugh C. Shultz	Supervisor	Jefferson Hospital.
Herbert C. Wright, R.N.	Charge Nurse	Pennsylvania Hospital, Department for Mental and Nervous Diseases, Philadelphia, Pa.

ADMISSION OF PATIENTS

Patients are received either on signing a request for care and treatment, or by commitment by two Pennsylvania Physicians, with an order signed by a relative or friend. Forms can be obtained at the hospital.

No patient is admitted without the previous consent of the Managers. Information about prospective patients should be given to physicians by personal interview if possible, or by letter.

For men, the application should be made to Physician-in-Chief, Forty-ninth and Market Streets; for women, to Physician-in-Chief, Forty-fourth and Market Streets.

For the payment of board, and removal of patient when discharged, security is always required from responsible residents of Pennsylvania. Payment of board is to be made monthly in advance.

Special rooms and private nurses can be supplied if desired.

RA Pennsylvania Hospital
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DATE

